

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
1.11.2019 6:00	2.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
2.11.2019 6:00	3.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
3.11.2019 6:00	4.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
4.11.2019 6:00	5.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
5.11.2019 6:00	6.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
6.11.2019 6:00	7.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
7.11.2019 6:00	8.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
8.11.2019 6:00	9.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
9.11.2019 6:00	10.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
10.11.2019 6:00	11.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
11.11.2019 6:00	12.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
12.11.2019 6:00	13.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
13.11.2019 6:00	14.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
14.11.2019 6:00	15.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
15.11.2019 6:00	16.11.2019 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
1.11.2019 6:00	2.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
2.11.2019 6:00	3.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
3.11.2019 6:00	4.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
4.11.2019 6:00	5.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
5.11.2019 6:00	6.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
6.11.2019 6:00	7.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
7.11.2019 6:00	8.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
8.11.2019 6:00	9.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
9.11.2019 6:00	10.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
10.11.2019 6:00	11.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
11.11.2019 6:00	12.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
12.11.2019 6:00	13.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
13.11.2019 6:00	14.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
14.11.2019 6:00	15.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
15.11.2019 6:00	16.11.2019 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
1.11.2019 6:00	2.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
2.11.2019 6:00	3.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
3.11.2019 6:00	4.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
4.11.2019 6:00	5.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
5.11.2019 6:00	6.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
6.11.2019 6:00	7.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
7.11.2019 6:00	8.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
8.11.2019 6:00	9.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
9.11.2019 6:00	10.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
10.11.2019 6:00	11.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
11.11.2019 6:00	12.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
12.11.2019 6:00	13.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
13.11.2019 6:00	14.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
14.11.2019 6:00	15.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
15.11.2019 6:00	16.11.2019 6:00	001-2	MRS/PC Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak

Kromatografska analiza plina za izlaz iz transportnog sustava Zaprešić - 6 bara - Zaprešić, je identična sa izlazom Zapad - 6 bara - Zagreb, a iz razloga jer obadva izlaza iz transportnog sustava preuzimaju plin iz istog plinovoda.  
Podaci preuzeti sa web stranice transportnog operatora Plinacro.

Zadnja izmjena	N2	CO2	C1	C2	C3	C3+	n-C4	i-C4	n-C5	i-C5	neo-C5	C6	C6+	C7	C8
2.11.2019 7:55	0,668	0,21	95,636	2,47	0,742	0,999	0,109	0,113	0,014	0,02	0,001	-	0,017	-	-
3.11.2019 7:55	0,67	0,207	95,658	2,455	0,739	0,993	0,108	0,111	0,014	0,02	0,001	-	0,016	-	-
4.11.2019 7:55	0,673	0,205	95,649	2,46	0,743	0,998	0,108	0,111	0,014	0,02	0,001	-	0,016	-	-
5.11.2019 7:55	0,674	0,207	95,637	2,466	0,743	0,999	0,109	0,112	0,014	0,02	0,001	-	0,016	-	-
6.11.2019 7:55	0,666	0,213	95,566	2,516	0,759	1,022	0,112	0,115	0,014	0,02	0,001	-	0,017	-	-
7.11.2019 7:55	0,659	0,213	95,55	2,528	0,767	1,033	0,114	0,116	0,014	0,02	0,001	-	0,017	-	-
8.11.2019 7:55	0,662	0,206	95,632	2,47	0,753	1,014	0,111	0,114	0,014	0,02	0,001	-	0,017	-	-
9.11.2019 7:55	0,671	0,2	95,734	2,395	0,732	0,984	0,108	0,11	0,014	0,02	0,001	-	0,016	-	-
10.11.2019 7:55	0,704	0,226	95,726	2,365	0,716	0,962	0,105	0,106	0,014	0,02	0,001	-	0,017	-	-
11.11.2019 7:55	0,718	0,261	95,608	2,424	0,722	0,971	0,107	0,106	0,014	0,02	0,001	-	0,018	-	-
12.11.2019 7:55	0,741	0,304	95,466	2,484	0,732	0,987	0,109	0,108	0,015	0,021	0,001	-	0,019	-	-
13.11.2019 7:55	0,753	0,312	95,276	2,607	0,77	1,034	0,115	0,11	0,015	0,022	0,001	-	0,019	-	-
14.11.2019 7:55	0,734	0,303	95,441	2,508	0,739	0,996	0,111	0,109	0,015	0,021	0,001	-	0,019	-	-
15.11.2019 7:55	0,706	0,25	95,668	2,397	0,713	0,962	0,107	0,106	0,014	0,02	0,001	-	0,018	-	-
16.11.2019 7:55	0,721	0,274	95,603	2,418	0,717	0,965	0,107	0,106	0,014	0,02	0,001	-	0,018	-	-
2.11.2019 7:55	0,663	0,209	95,661	2,459	0,738	0,995	0,109	0,113	0,014	0,02	0,001	-	0,013	-	-
3.11.2019 7:55	0,666	0,206	95,676	2,447	0,739	0,993	0,108	0,112	0,014	0,02	0,001	-	0,013	-	-
4.11.2019 7:55	0,669	0,204	95,683	2,434	0,743	0,998	0,109	0,112	0,014	0,02	0,001	-	0,013	-	-
5.11.2019 7:55	0,67	0,206	95,661	2,456	0,739	0,994	0,109	0,112	0,014	0,02	0,001	-	0,012	-	-
6.11.2019 7:55	25,205	0,199	71,695	1,877	0,746	1,015	0,11	0,131	0,011	0,015	0,001	-	0,009	-	-
7.11.2019 7:55	0,655	0,208	95,609	2,487	0,768	1,032	0,112	0,116	0,014	0,02	0,002	-	0,009	-	-
8.11.2019 7:55	0,656	0,204	95,656	2,454	0,758	1,02	0,111	0,114	0,014	0,02	0,002	-	0,01	-	-
9.11.2019 7:55	0,669	0,199	95,764	2,376	0,731	0,982	0,107	0,11	0,014	0,02	0,001	-	0,01	-	-
10.11.2019 7:55	0,701	0,23	95,727	2,365	0,718	0,965	0,105	0,106	0,014	0,02	0,001	-	0,012	-	-
11.11.2019 7:55	0,716	0,266	95,595	2,437	0,723	0,973	0,107	0,107	0,015	0,02	0,001	-	0,013	-	-
12.11.2019 7:55	0,74	0,311	95,442	2,503	0,734	0,991	0,11	0,108	0,015	0,021	0,001	-	0,015	-	-
13.11.2019 7:55	0,738	0,312	95,482	2,467	0,731	0,986	0,11	0,108	0,015	0,021	0,001	-	0,015	-	-
14.11.2019 7:55	0,726	0,297	95,483	2,492	0,731	0,986	0,11	0,108	0,015	0,021	0,001	-	0,015	-	-
15.11.2019 7:55	0,699	0,243	95,705	2,383	0,708	0,956	0,106	0,106	0,014	0,02	0,001	-	0,014	-	-
16.11.2019 7:55	0,717	0,277	95,603	2,422	0,717	0,967	0,108	0,106	0,015	0,02	0,001	-	0,014	-	-
2.11.2019 7:55	0,637	0,218	94,727	3,193	0,953	1,225	0,106	0,121	0,015	0,021	0	0,006	-	0,003	0
3.11.2019 7:55	0,766	0,205	94,611	3,237	0,92	1,181	0,101	0,116	0,014	0,02	0	0,006	-	0,003	0
4.11.2019 7:55	0,704	0,21	95,398	2,653	0,782	1,035	0,09	0,118	0,014	0,02	0	0,007	-	0,004	0
5.11.2019 7:55	0,81	0,197	94,667	3,182	0,891	1,145	0,099	0,113	0,014	0,019	0	0,006	-	0,003	0
6.11.2019 7:55	0,855	0,188	94,303	3,457	0,947	1,198	0,102	0,109	0,013	0,018	0	0,005	-	0,003	0
7.11.2019 7:55	0,856	0,192	94,085	3,607	0,996	1,259	0,109	0,114	0,013	0,019	0	0,005	-	0,003	0
8.11.2019 7:55	0,786	0,231	94,529	3,264	0,925	1,19	0,105	0,117	0,014	0,02	0	0,006	-	0,003	0
9.11.2019 7:55	0,755	0,198	94,467	3,354	0,961	1,225	0,106	0,115	0,014	0,02	0	0,006	-	0,003	0
10.11.2019 7:55	0,779	0,194	94,38	3,414	0,97	1,233	0,107	0,115	0,014	0,019	0	0,006	-	0,003	0
11.11.2019 7:55	0,949	0,253	93,897	3,622	1,005	1,279	0,111	0,118	0,015	0,021	0	0,007	-	0,003	0
12.11.2019 7:55	0,821	0,281	94,356	3,291	0,966	1,252	0,112	0,124	0,016	0,023	0	0,007	-	0,003	0
13.11.2019 7:55	0,766	0,269	94,494	3,231	0,959	1,241	0,109	0,123	0,016	0,023	0	0,007	-	0,003	0
14.11.2019 7:55	0,705	0,201	94,928	3,026	0,887	1,139	0,098	0,112	0,014	0,019	0	0,006	-	0,003	0
15.11.2019 7:55	0,783	0,193	94,693	3,182	0,898	1,149	0,1	0,11	0,013	0,019	0	0,006	-	0,003	0
16.11.2019 7:55	0,81	0,244	94,669	3,102	0,907	1,175	0,104	0,118	0,015	0,021	0	0,007	-	0,003	0

C9+	NCV (kWh/m3) @15/15	NCV (MJ/m3) @15/15	NCV (kWh/m3) @25/0	NCV (MJ/m3) @25/0	GCV (kWh/m3) @15/15	GCV (MJ/m3) @15/15	GCV (kWh/m3) @25/0	GCV (MJ/m3) @25/0	Wd(kWh/m3) @15/15	Wd(Mj/m3) @15/15	Wd(kWh/m3) @25/0
-	9,723588	35,005	10,260944	36,939	10,786129	38,83	11,371738	40,938	12,732	45,835	13,434
-	9,721303	34,997	10,25853	36,931	10,783683	38,821	11,369155	40,929	12,731	45,831	13,433
-	9,722021	34,999	10,25929	36,933	10,784451	38,824	11,369965	40,932	12,731	45,833	13,433
-	9,72259	35,001	10,259891	36,936	10,785047	38,826	11,370596	40,934	12,731	45,832	13,433
-	9,730672	35,03	10,268429	36,966	10,793715	38,857	11,379748	40,967	12,736	45,849	13,438
-	9,734071	35,043	10,272018	36,979	10,797383	38,871	11,38362	40,981	12,739	45,859	13,441
-	9,726878	35,017	10,264419	36,952	10,789692	38,843	11,375498	40,952	12,735	45,847	13,437
-	9,715912	34,977	10,252834	36,91	10,777933	38,801	11,363083	40,907	12,729	45,824	13,431
-	9,704644	34,937	10,240939	36,867	10,765636	38,756	11,35011	40,86	12,714	45,77	13,415
-	9,706372	34,943	10,242771	36,874	10,767307	38,762	11,351884	40,867	12,707	45,746	13,408
-	9,708008	34,949	10,244508	36,88	10,768818	38,768	11,353492	40,873	12,698	45,714	13,398
-	9,722813	35,002	10,260149	36,937	10,784605	38,825	11,370163	40,933	12,704	45,735	13,405
-	9,722813	35,002	10,260149	36,937	10,784605	38,825	11,370163	40,933	12,704	45,735	13,405
-	9,70526	34,939	10,241593	36,87	10,766205	38,758	11,350716	40,863	12,71	45,756	13,411
-	9,703784	34,934	10,240039	36,864	10,764473	38,752	11,348897	40,856	12,703	45,731	13,403
-	9,721065	34,996	10,258278	36,93	10,783445	38,82	11,368902	40,928	12,731	45,832	13,433
-	9,719665	34,991	10,256797	36,924	10,781947	38,815	11,367319	40,922	12,731	45,83	13,432
-	9,719367	34,99	10,256484	36,923	10,781626	38,814	11,36698	40,921	12,73	45,83	13,432
-	9,72008	34,992	10,257237	36,926	10,782377	38,817	11,367774	40,924	12,73	45,829	13,432
-	7,834696	28,205	8,267656	29,764	8,689487	31,282	9,161265	32,981	10,241	36,868	10,805
-	9,728532	35,023	10,266165	36,958	10,791483	38,849	11,377387	40,959	12,737	45,852	13,439
-	9,7247	35,009	10,262117	36,944	10,787388	38,835	11,373063	40,943	12,735	45,846	13,437
-	9,712079	34,963	10,248783	36,896	10,773834	38,786	11,358753	40,892	12,727	45,817	13,429
-	9,702931	34,931	10,239128	36,861	10,763794	38,75	11,348165	40,853	12,713	45,765	13,413
-	9,705466	34,94	10,241813	36,871	10,766321	38,759	11,350844	40,863	12,706	45,742	13,406
-	9,707807	34,948	10,244296	36,879	10,768579	38,767	11,353241	40,872	12,697	45,71	13,397
-	9,704551	34,936	10,240856	36,867	10,765092	38,754	11,34956	40,858	12,695	45,703	13,395
-	9,704551	34,936	10,240856	36,867	10,765092	38,754	11,354705	40,877	12,695	45,703	13,395
-	9,702737	34,93	10,238925	36,86	10,763547	38,749	11,347908	40,852	12,711	45,758	13,411
-	9,702949	34,931	10,239157	36,861	10,763582	38,749	11,347953	40,853	12,703	45,73	13,403
0	9,808608	35,311	10,350624	37,262	10,87719	39,158	11,467858	41,284	12,784	46,023	13,489
0	9,793292	35,256	10,334453	37,204	10,860342	39,097	11,450084	41,22	12,763	45,947	13,466
0	9,733773	35,042	10,27158	36,978	10,79678	38,868	11,382982	40,979	12,734	45,843	13,436
0	9,779883	35,208	10,320288	37,153	10,84584	39,045	11,434775	41,165	12,752	45,906	13,454
0	9,804038	35,295	10,345803	37,245	10,871584	39,138	11,461952	41,263	12,762	45,944	13,466
0	9,824725	35,369	10,367659	37,324	10,893734	39,217	11,485338	41,347	12,774	45,985	13,477
0	9,792574	35,253	10,3337	37,201	10,859402	39,094	11,449099	41,217	12,756	45,921	13,459
0	9,810319	35,317	10,352437	37,269	10,87865	39,163	11,469408	41,29	12,775	45,991	13,479
0	9,813966	35,33	10,356289	37,283	10,882487	39,177	11,473458	41,304	12,776	45,992	13,48
0	9,815492	35,336	10,357927	37,289	10,883273	39,18	11,474323	41,308	12,747	45,89	13,45
0	9,79774	35,272	10,339171	37,221	10,864629	39,113	11,454636	41,237	12,746	45,887	13,449
0	9,797735	35,272	10,339159	37,221	10,864874	39,114	11,454884	41,238	12,755	45,916	13,457
0	9,776957	35,197	10,317193	37,142	10,843079	39,035	11,431852	41,155	12,761	45,939	13,464
0	9,783158	35,219	10,323747	37,165	10,849463	39,058	11,438597	41,179	12,757	45,926	13,46
0	9,775321	35,191	10,315481	37,136	10,84078	39,027	11,429449	41,146	12,741	45,866	13,443

Wd(Mj/m <sup>3</sup> ) @25/0	Wg(kWh/m <sup>3</sup> ) @15/15	Wg(Mj/m <sup>3</sup> ) @15/15	Wg(kWh/m <sup>3</sup> ) @25/0	Wg(Mj/m <sup>3</sup> ) @25/0	d(kg/m <sup>3</sup> ) @15	d(kg/m <sup>3</sup> ) @0	ρ (kg/m <sup>3</sup> ) @15	ρ (kg/m <sup>3</sup> ) @0	M kg/kmol	R J/kgK	MN (metanski broj)
48,361	14,123	50,844	14,888	53,597	0,715	0,7543	0,5833	0,5834	16,863	493,063	85,997
48,357	14,122	50,84	14,887	53,593	0,715	0,7541	0,5831	0,5832	16,858	493,215	86,068
48,359	14,123	50,842	14,887	53,595	0,715	0,7541	0,5831	0,5833	16,859	493,182	86,044
48,359	14,122	50,841	14,887	53,594	0,715	0,7543	0,5832	0,5834	16,861	493,108	86,018
48,376	14,127	50,858	14,892	53,611	0,715	0,755	0,5838	0,5839	16,877	492,647	85,793
48,387	14,13	50,868	14,895	53,623	0,716	0,7552	0,5839	0,5841	16,882	492,516	85,714
48,374	14,127	50,856	14,892	53,61	0,715	0,7544	0,5834	0,5835	16,865	492,989	85,931
48,35	14,12	50,833	14,885	53,586	0,714	0,7535	0,5826	0,5828	16,844	493,625	86,242
48,293	14,104	50,774	14,868	53,523	0,714	0,7535	0,5826	0,5828	16,845	493,589	86,42
48,268	14,096	50,747	14,86	53,494	0,715	0,7546	0,5835	0,5836	16,868	492,902	86,253
48,234	14,086	50,709	14,849	53,455	0,716	0,7559	0,5845	0,5846	16,898	492,044	86,049
48,256	14,092	50,73	14,855	53,477	0,718	0,7575	0,5857	0,5859	16,933	491,022	85,587
48,256	14,092	50,73	14,855	53,477	0,716	0,7575	0,5857	0,5859	16,903	491,883	85,947
48,278	14,1	50,758	14,863	53,507	0,714	0,7541	0,5831	0,5832	16,857	493,221	86,343
48,252	14,092	50,73	14,855	53,477	0,715	0,7547	0,5835	0,5837	16,871	492,843	86,292
48,358	14,123	50,841	14,887	53,594	0,714	0,754	0,583	0,5832	16,856	493,257	86,085
48,356	14,122	50,839	14,887	53,592	0,714	0,7539	0,5829	0,5831	16,853	493,361	86,13
48,356	14,122	50,839	14,886	53,591	0,714	0,7538	0,5829	0,583	16,852	493,378	86,136
48,356	14,122	50,838	14,886	53,591	0,714	0,754	0,583	0,5831	16,855	493,3	86,105
38,9	11,359	40,891	11,974	43,106	0,811	0,8559	0,6618	0,6619	19,713	443,255	68,955
48,38	14,128	50,862	14,893	53,616	0,715	0,7545	0,5834	0,5836	16,868	492,924	85,912
48,373	14,127	50,856	14,892	53,61	0,715	0,7541	0,5831	0,5833	16,859	493,193	86,029
48,343	14,118	50,826	14,883	53,579	0,714	0,7531	0,5823	0,5825	16,836	493,852	86,371
48,288	14,102	50,769	14,866	53,518	0,714	0,7534	0,5826	0,5827	16,843	493,654	86,477
48,263	14,095	50,742	14,858	53,489	0,715	0,7546	0,5835	0,5836	16,869	492,904	86,28
48,229	14,085	50,704	14,847	53,45	0,716	0,756	0,5846	0,5847	16,9	491,971	86,046
48,222	14,083	50,697	14,845	53,442	0,716	0,7557	0,5844	0,5845	16,894	492,143	86,145
48,222	14,083	50,697	14,845	53,442	0,716	0,7557	0,5844	0,5845	16,894	492,199	86,075
48,28	14,1	50,761	14,864	53,509	0,714	0,7536	0,5827	0,5829	16,848	493,511	86,454
48,25	14,091	50,728	14,854	53,475	0,715	0,7546	0,5835	0,5836	16,869	492,893	86,327
48,559	14,177	51,037	14,945	53,801	0,721	0,7613	0,5887	0,5888	17,018	488,568	83,624
48,479	14,154	50,953	14,92	53,712	0,721	0,7615	0,5888	0,5889	17,022	488,471	83,708
48,369	14,125	50,849	14,89	53,602	0,716	0,7557	0,5843	0,5845	16,893	492,204	85,523
48,436	14,141	50,909	14,907	53,666	0,721	0,7607	0,5882	0,5884	17,005	488,949	83,969
48,476	14,152	50,947	14,918	53,706	0,723	0,7632	0,5901	0,5903	17,061	487,369	83,225
48,519	14,163	50,988	14,93	53,749	0,725	0,7651	0,5916	0,5918	17,102	486,181	82,678
48,452	14,145	50,924	14,911	53,681	0,722	0,7622	0,5894	0,5895	17,038	488,004	83,633
48,525	14,166	50,999	14,934	53,761	0,723	0,7626	0,5897	0,5899	17,048	487,716	83,3
48,527	14,167	50,999	14,934	53,761	0,723	0,7632	0,5901	0,5903	17,06	487,386	83,151
48,419	14,134	50,882	14,899	53,638	0,727	0,7668	0,5929	0,5931	17,141	485,075	82,555
48,415	14,134	50,883	14,9	53,639	0,724	0,7642	0,5909	0,591	17,082	486,754	83,295
48,447	14,144	50,917	14,91	53,675	0,723	0,7632	0,5901	0,5903	17,06	487,384	83,464
48,471	14,152	50,948	14,919	53,707	0,719	0,7592	0,587	0,5872	16,971	489,933	84,332
48,457	14,148	50,931	14,914	53,689	0,721	0,7606	0,5881	0,5883	17,002	489,035	83,966
48,394	14,129	50,865	14,894	53,62	0,721	0,7613	0,5887	0,5888	17,019	488,549	84